

**Amendments to the Abstract:**

Please replace the abstract on page 28 with the following amended abstract of the disclosure (second amendment to the ABSTRACT):

A device for analyzing a sample comprises a body having, a reaction chamber for conducting a reaction, a separation ~~channel~~ region for separating components of the sample, and a transition region connecting the reaction chamber to the separation ~~channel~~ region. The portion of the body defining the transition region has sufficiently low thermal conduction so that the transition region substantially thermally isolates the reaction chamber from the separation ~~channel~~ region. The device also includes at least one valve in the transition region for controlling fluid flow between the reaction chamber and the separation ~~channel~~ region. At least two electrodes are coupled to the body, the electrodes being positioned to ~~induce the sample components to separate into bands~~ drive electrophoretic, electroosmotic, or IEF flow in the separation ~~channel~~ region when a voltage difference is applied between the electrodes.